

Amendments to the Specification

1. Please amend the paragraph that begins on line 3 of page 5 to line 19 of page 5 as follows:

It is an advantage of the present invention that the end pulse of each contact image sensor is for triggering another contact image sensor, which is adjacently and operatively connected to the former contact image sensor, thereby, scanned image signals generated from all contact image sensors over periods of their document reading sessions are outputted sequentially. Still, in the case of not having the end pulse serve as another start pulse of another contact image sensor, the present invention further includes an analog switch having an internal counter therein, not only for receiving the scanned signals from these contact image sensors but also selecting and outputting these received scanned image signals in a sequential manner. A software module or application is ~~will be further~~ provided for integrating the sequentially outputted scanned image signals in the case of having a large-sized document scanned. As to the double-sided document scanning, the present invention optical scanner further provides two series of contact image sensors, one of which is disposed horizontally oppositely with respect to the other one and both of which are operated sequentially. Thus, the present invention optical scanner is able to deal with the large-sized document even it is in double-sided form.

2. Please amend the paragraph that begins on line 26 of page 7 to line 18 of page 8 as follows:

It appears that the multiple-channel A/D converter 208 receives these scanned image signals in a sequential manner, given these scanned image signals are outputted in the same sequential manner. Scanned image signals outputted from corresponding contact image sensors 2021, 2022 and 2023 are analog-based, and the multiple-channel A/D converter 208 is to convert these analog-based scanned image signals into their digitalized forms. Thereafter, these digitalized scanned image signals are then processed by a digitalized image processor 211 and then transferred through an interface 213, such as an USB-based one, to outside

computers for further processing. The computer may include an image processing module or software application, for integrating these scanned image signals outputted from the digitalized image processor 211. While the document is not of the normal standard size, the optical scanner 200 according to the present invention requires at least two document reading sessions, provided each contact image sensor is capable of dealing with the standard size (in terms of width) document, to output scanned image signals sequentially to the multiple-channel A/D converter 208. These sequentially outputted scanned image signals are also outputted to the digitalized image processor 211 in the same sequential manner. After the software integrating these two scanned image signals together, the final outcome of the scanning of the not-standard-size document will be generated.